

FIG. 1

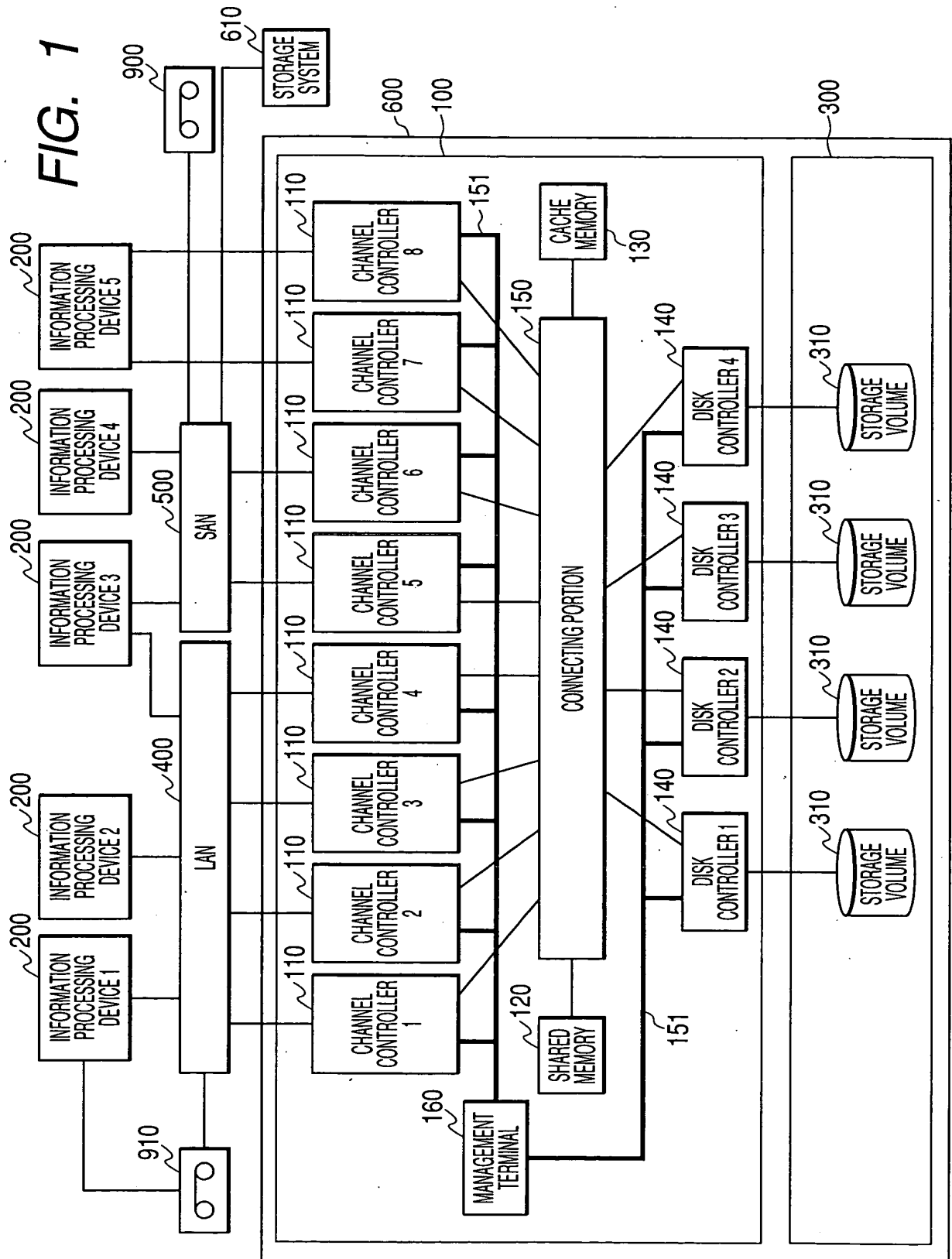
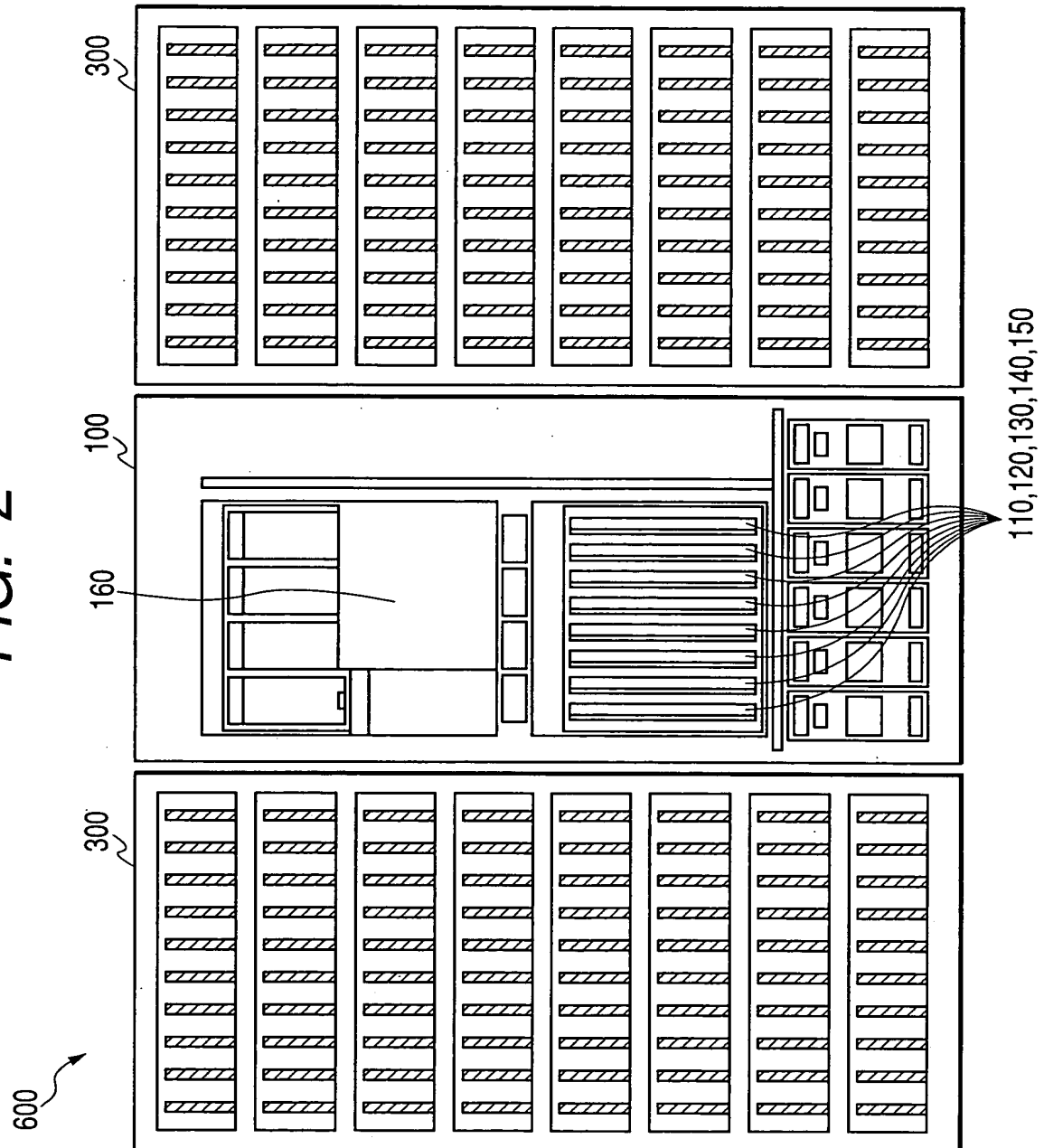
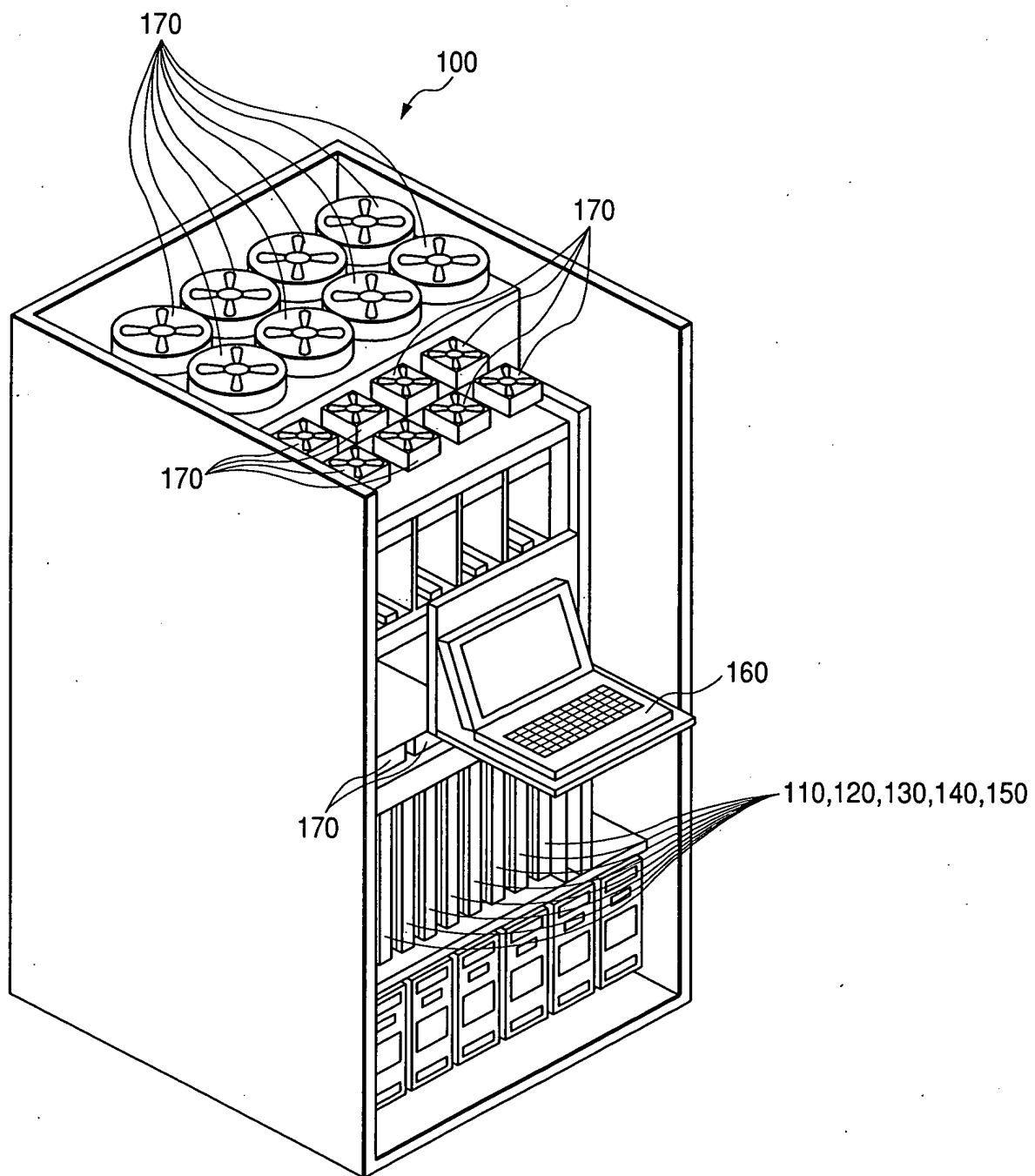
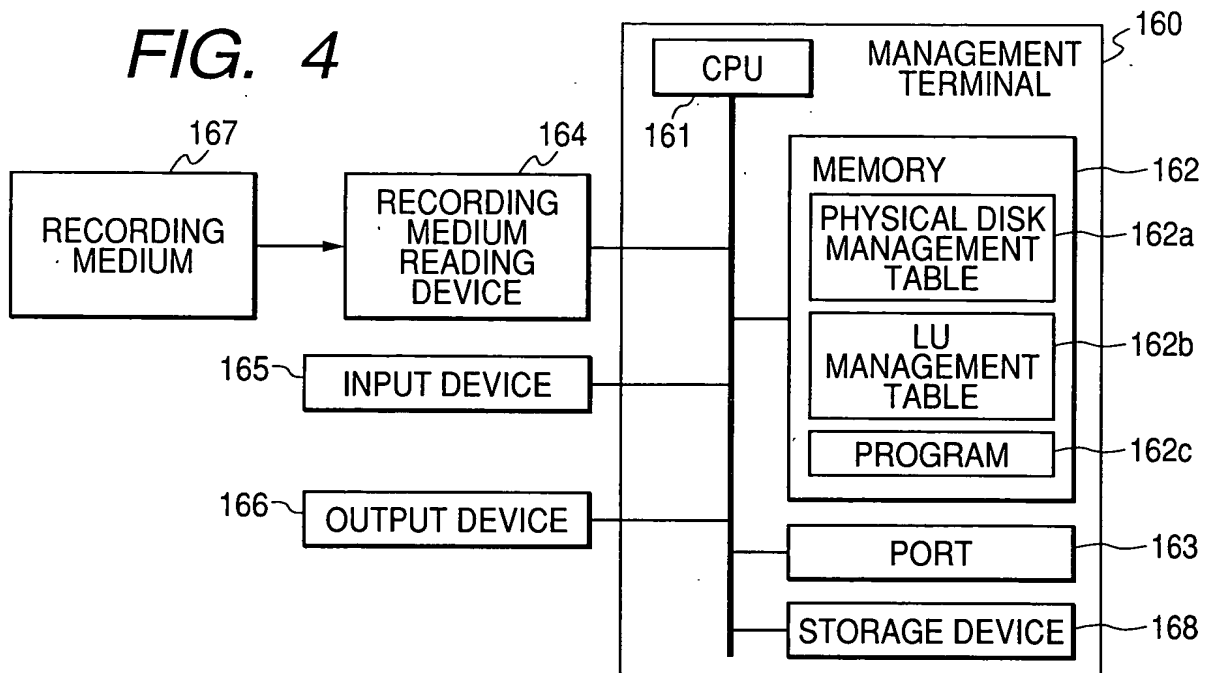


FIG. 2



**FIG. 3**

**FIG. 4****FIG. 5**

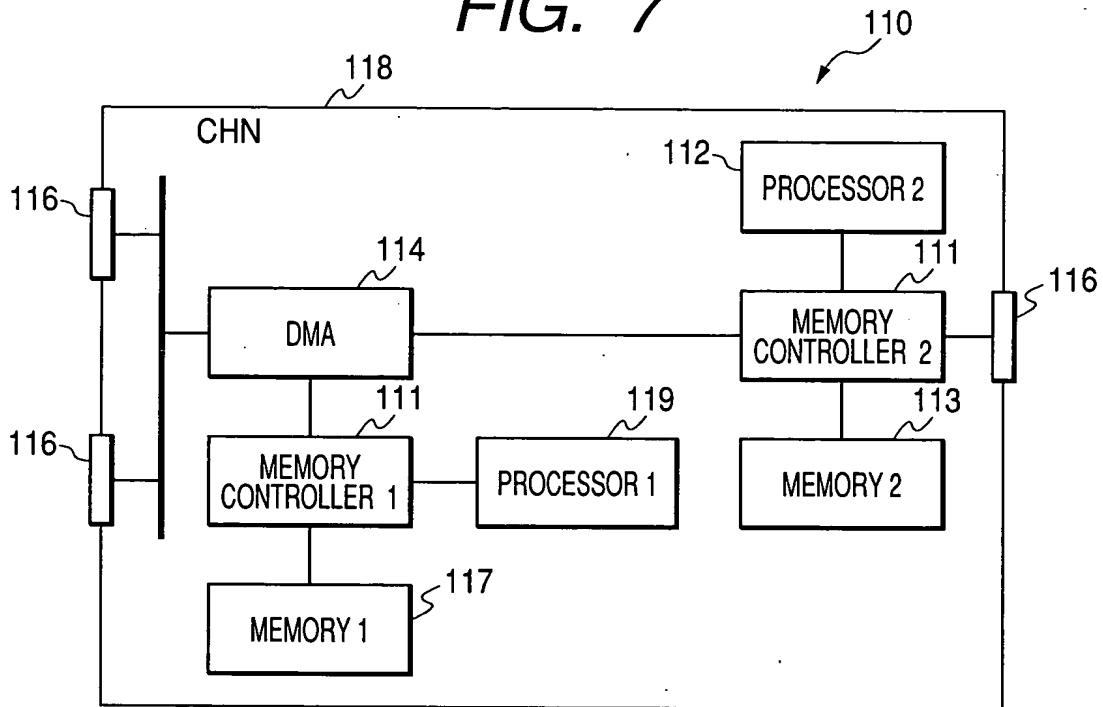
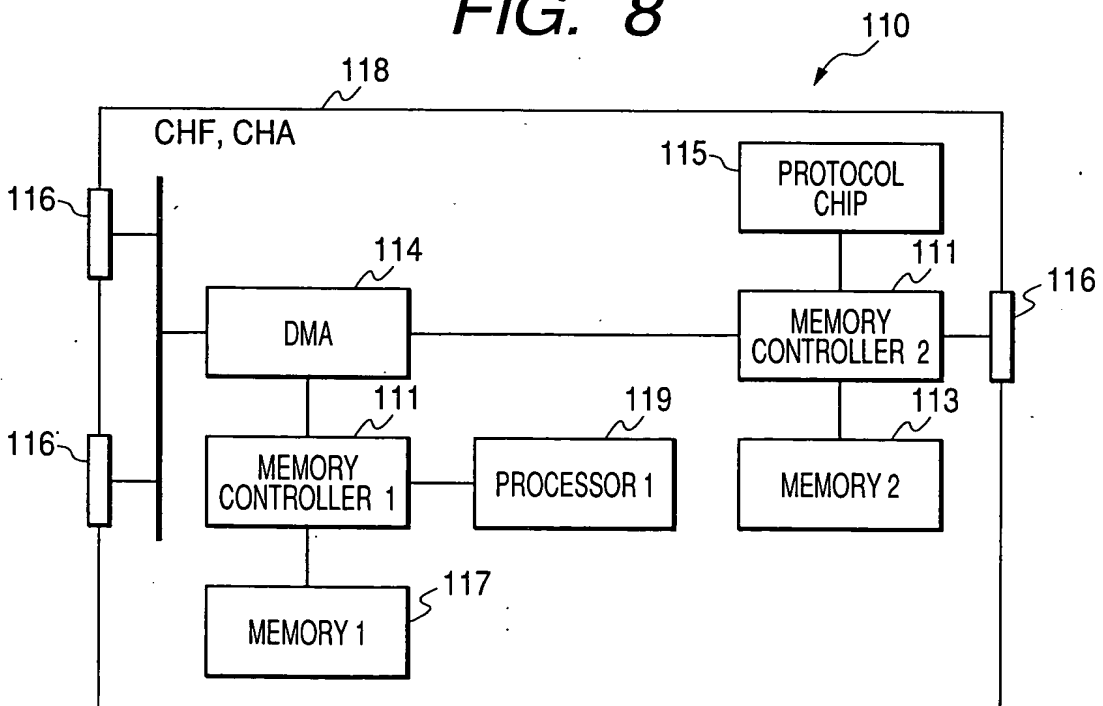
162a PHYSICAL DISK MANAGEMENT TABLE

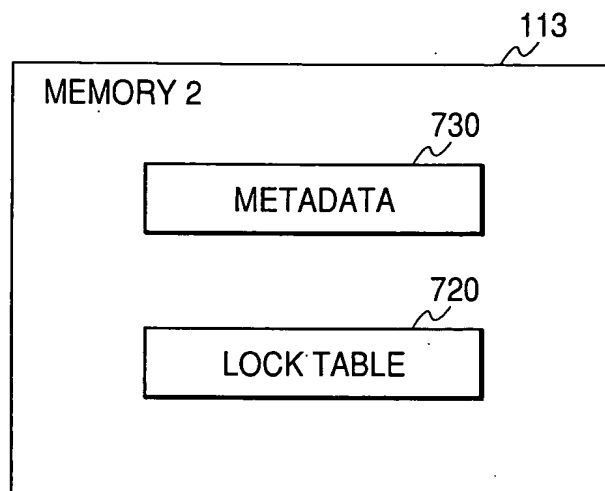
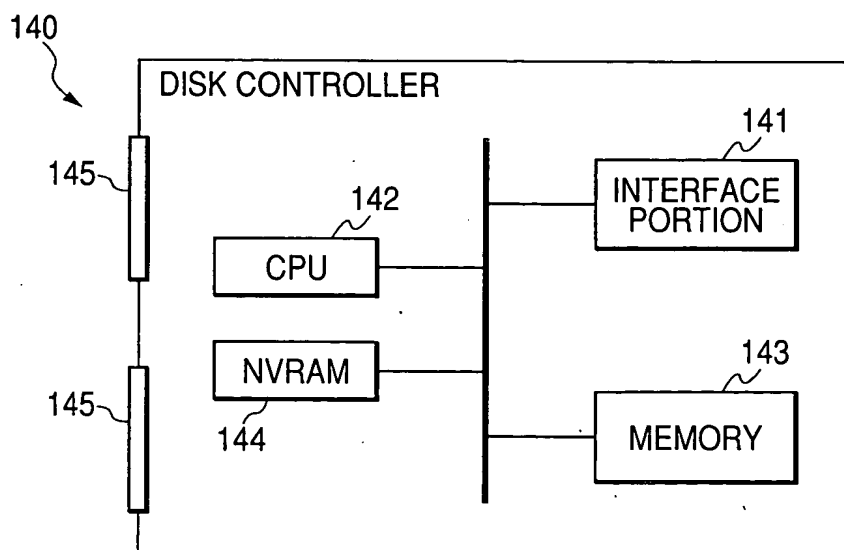
DISK NUMBER	CAPACITY	RAID	USE CONDITION
#001	100GB	5	OCCUPIED
#002	100GB	5	OCCUPIED
#003	100GB	5	OCCUPIED
#004	100GB	5	OCCUPIED
#005	100GB	5	OCCUPIED
#006	50GB	—	UNOCCUPIED
⋮	⋮	⋮	⋮

**FIG. 6**

162b LU MANAGEMENT TABLE

LU NUMBER	PHYSICAL DISK	CAPACITY	RAID
#1	#001,#002,#003,#004,#005	100GB	5
#2	#001,#002,#003,#004,#005	300GB	5
#3	#006,#007,	200GB	1
⋮	⋮	⋮	⋮

**FIG. 7****FIG. 8**

*FIG. 9**FIG. 10*

**FIG. 11**

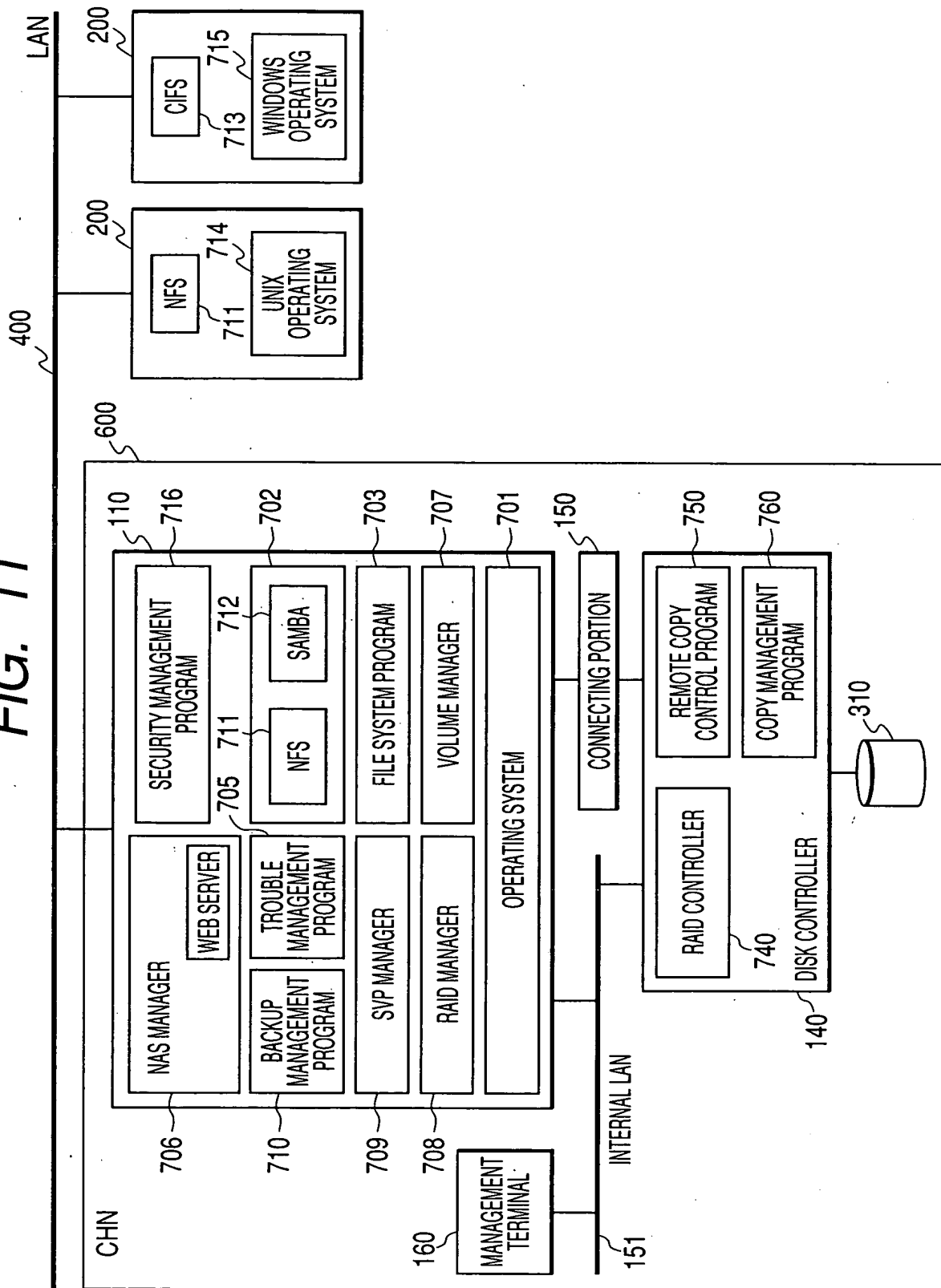
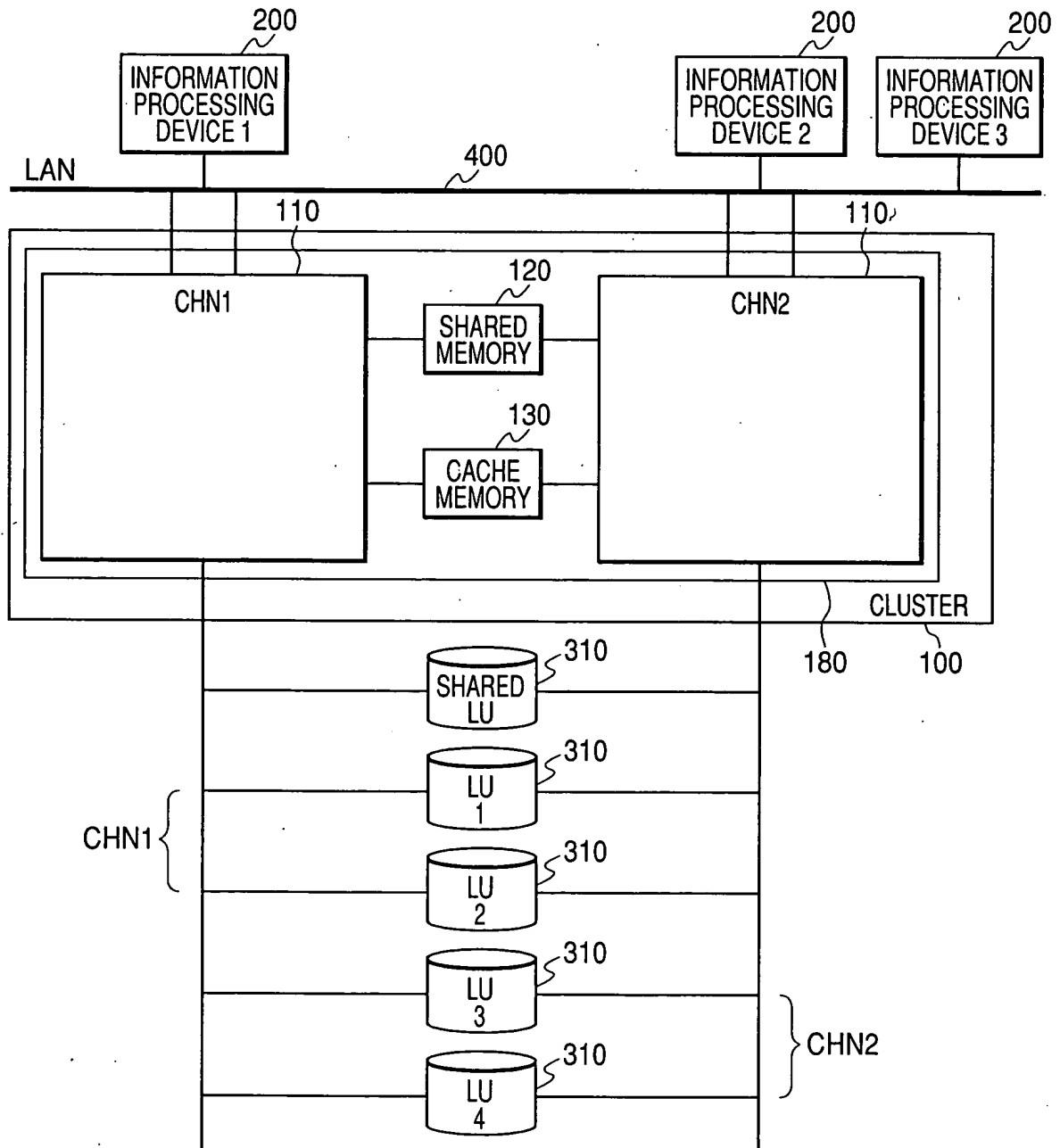


FIG. 12





**FIG. 13**

730

**METADATA**

FILE NAME	HEAD ADDRESS	CAPACITY	OWNER	RENEWAL TIME
A	7BSA	200MB	X	0 : 00
B	05BF	50MB	X	7 : 57
C	1F30	100MB	Y	9 : 15
D	470B	100MB	Z	15 : 20
⋮	⋮	⋮	⋮	⋮

**FIG. 14**

721

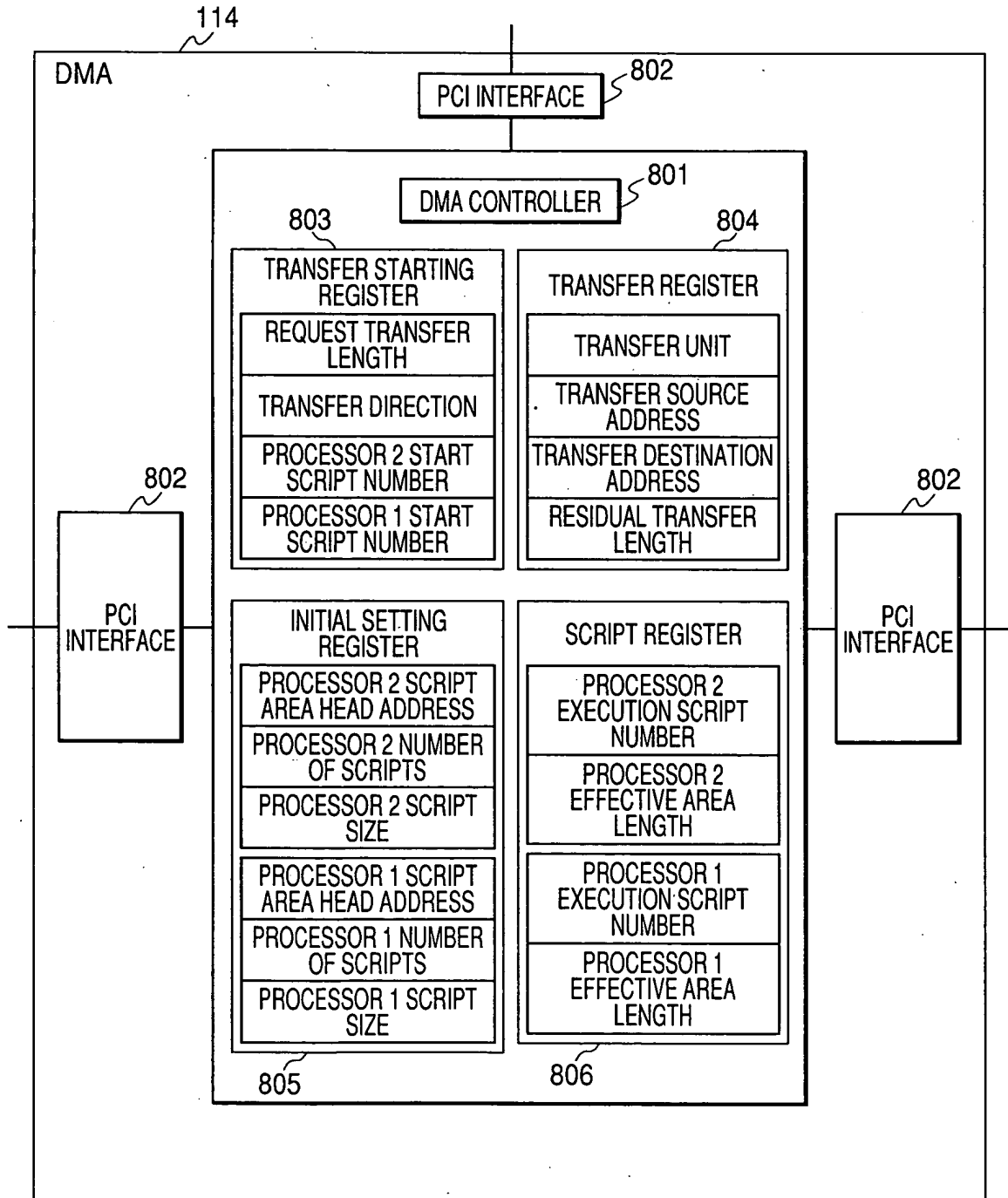
**FILE LOCK TABLE**

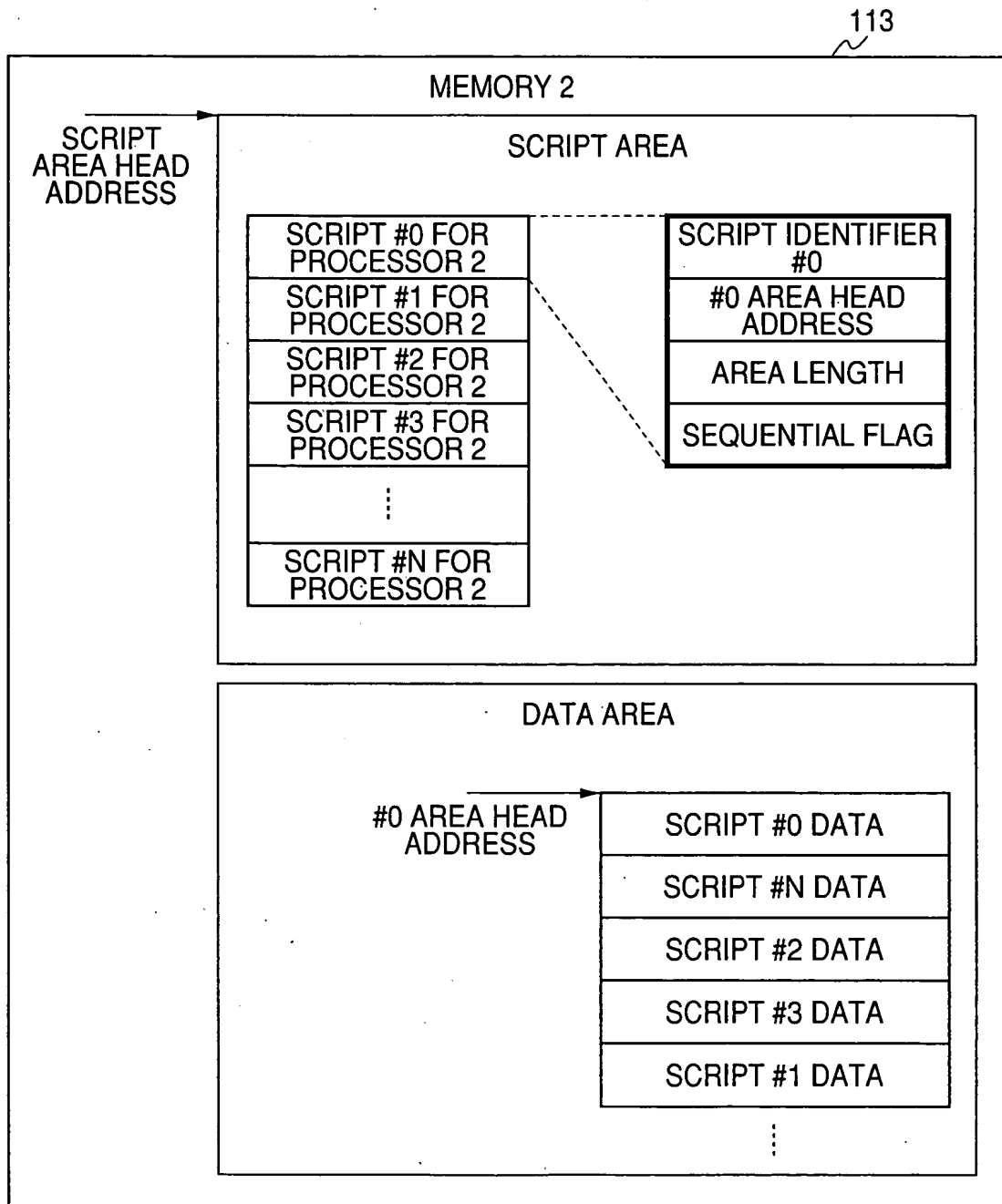
FILE NAME	LOCK STATE
A	UNDER LOCK
B	—
C	—
D	UNDER LOCK
⋮	⋮

722

**LU LOCK TABLE**

LU	LOCK STATE
SHARING	—
1	UNDER LOCK
2	—
⋮	⋮

**FIG. 15**

**FIG. 16**

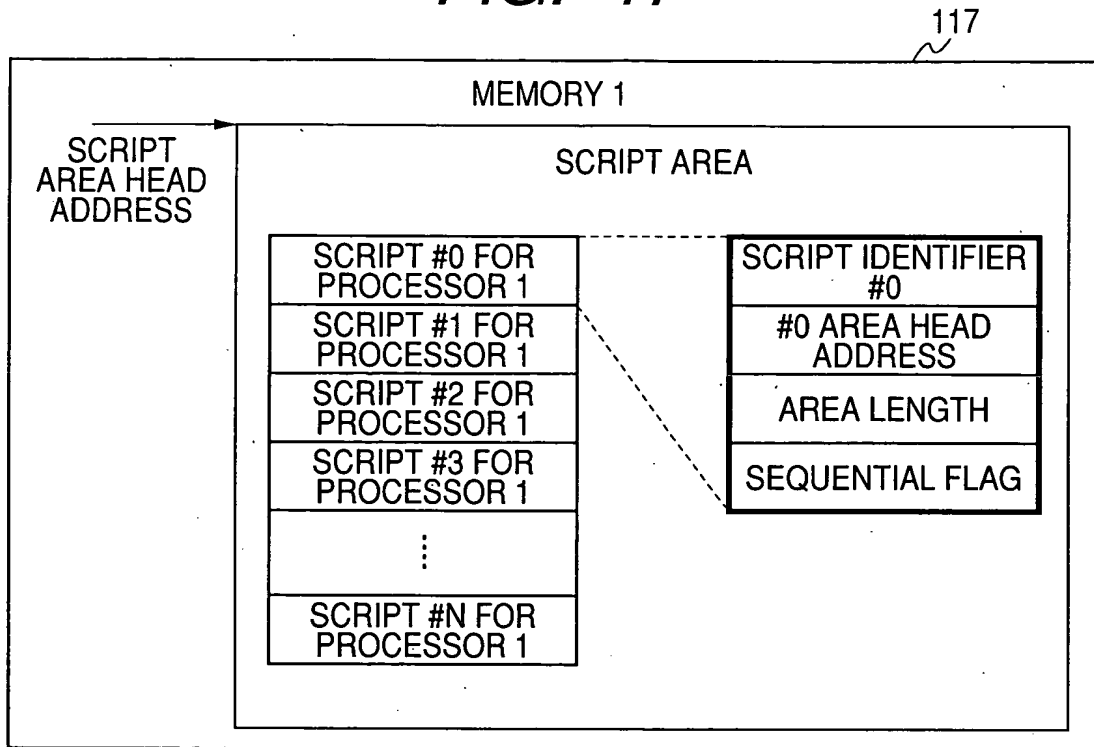
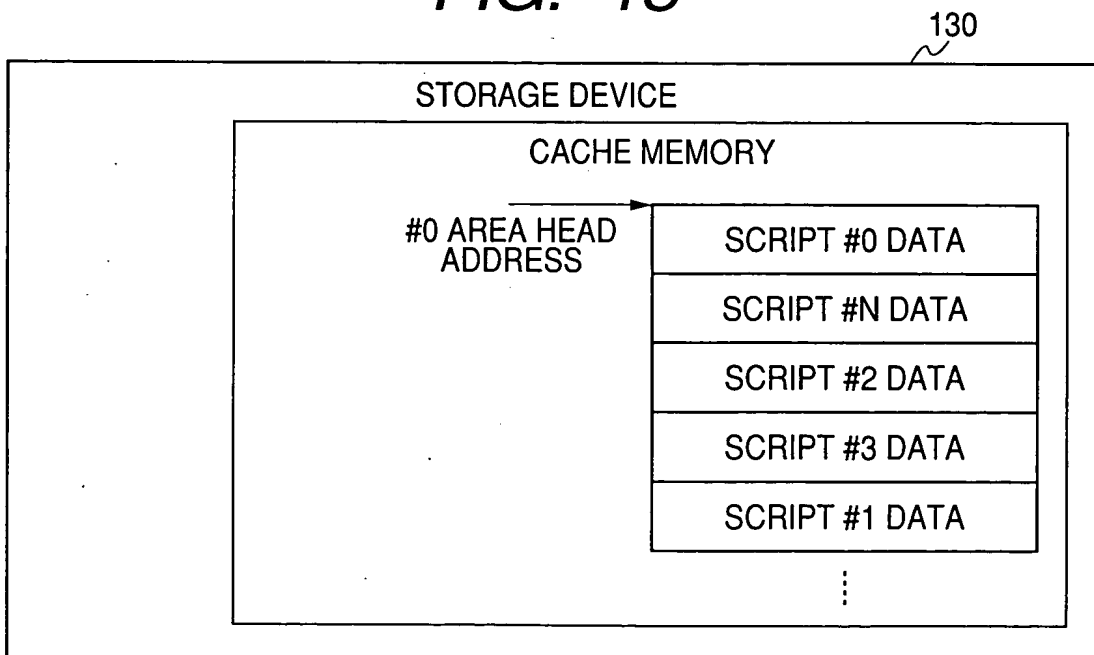
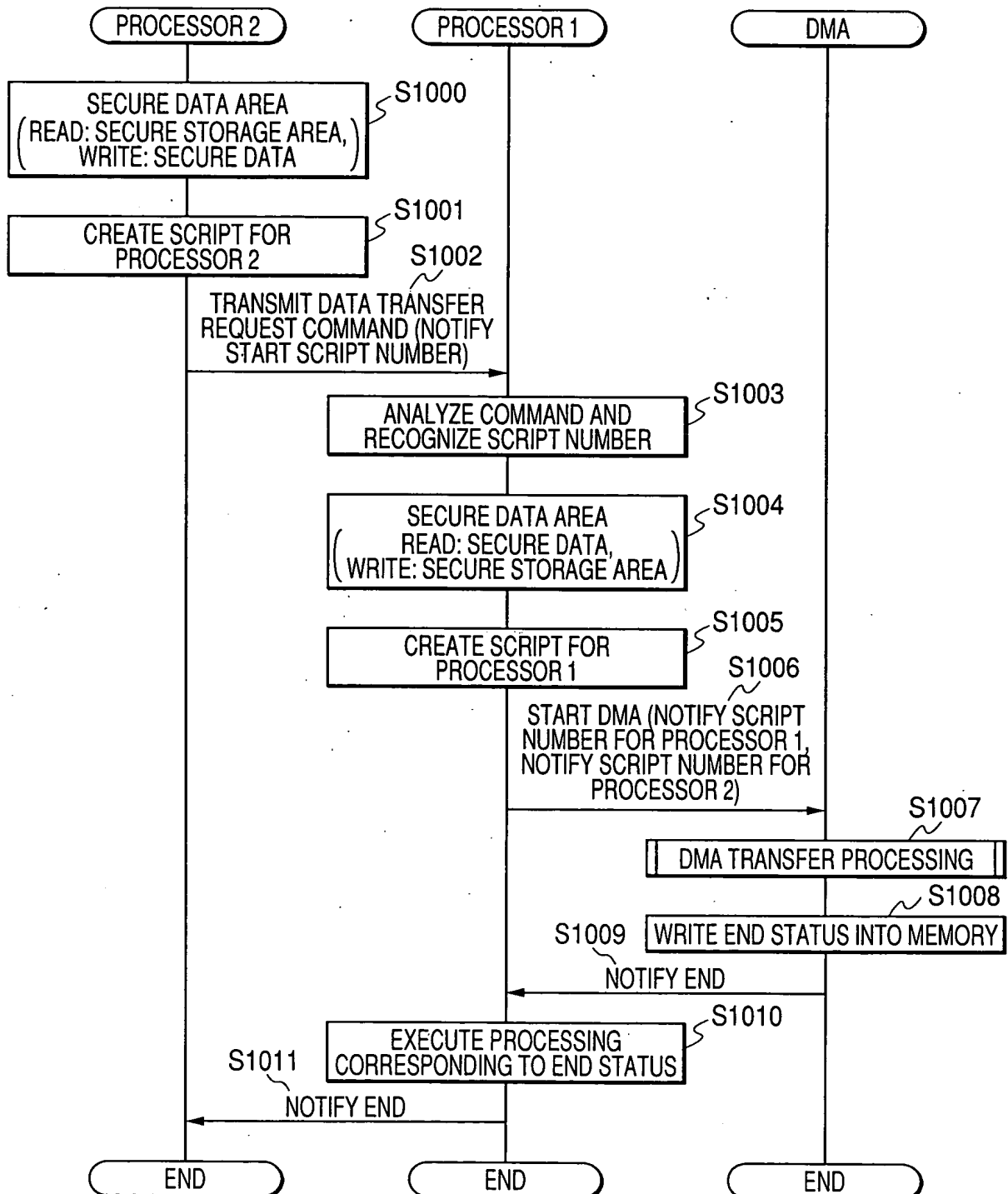
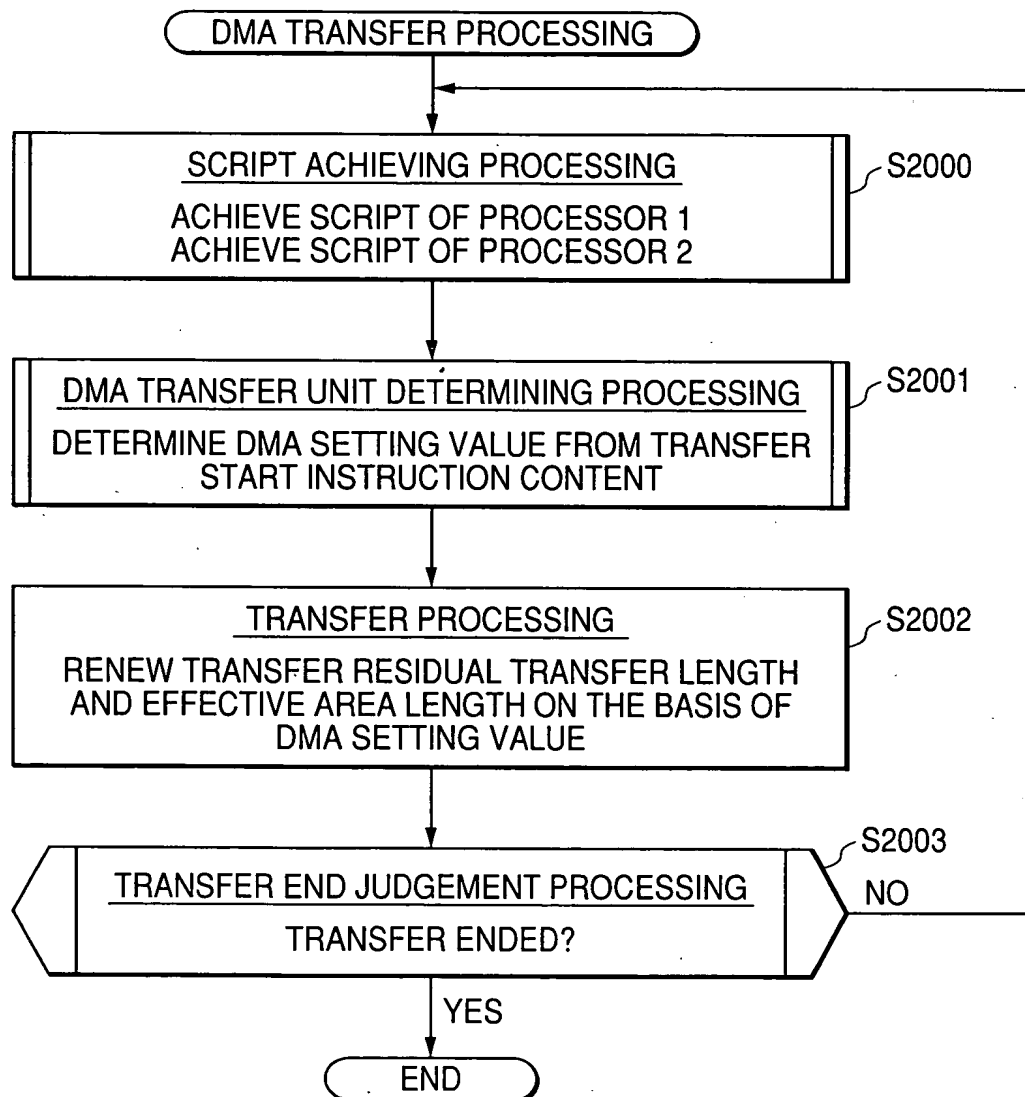
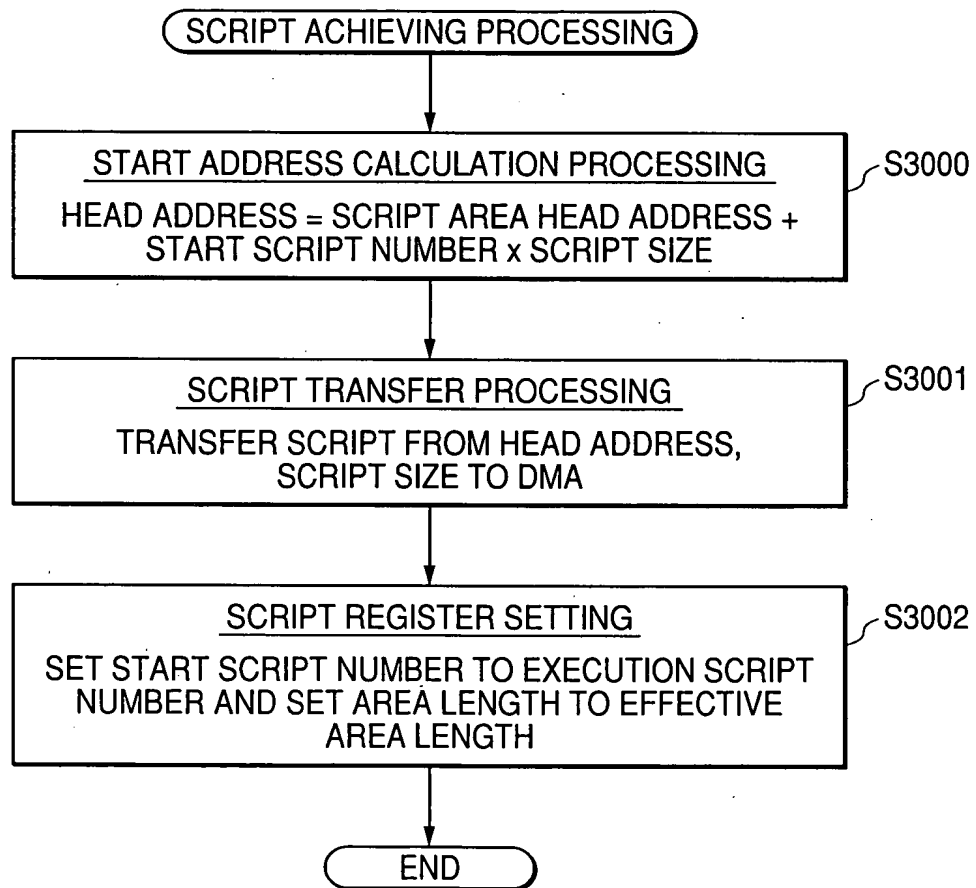
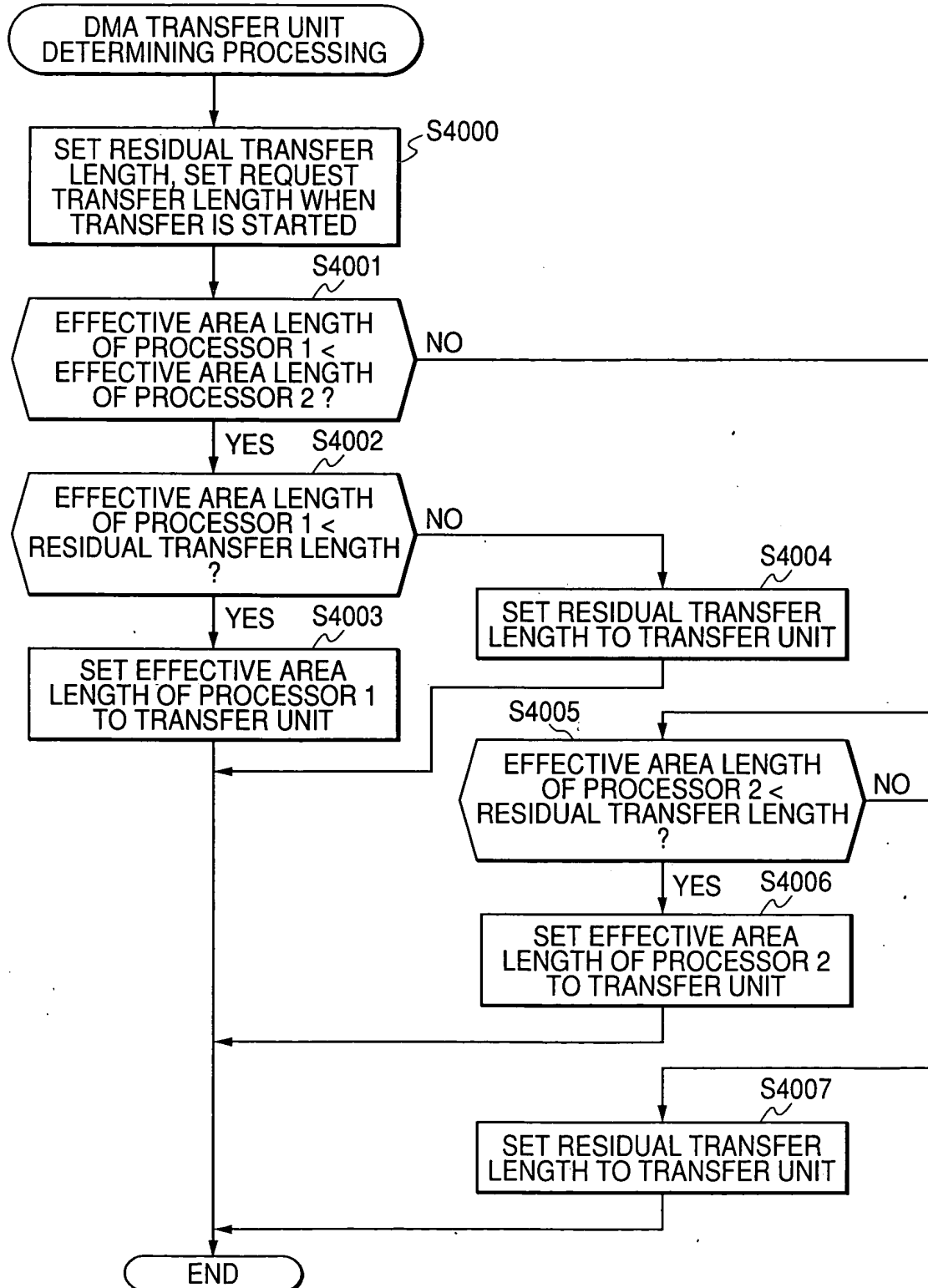
**FIG. 17****FIG. 18**

FIG. 19



*FIG. 20*

*FIG. 21*

**FIG. 22**



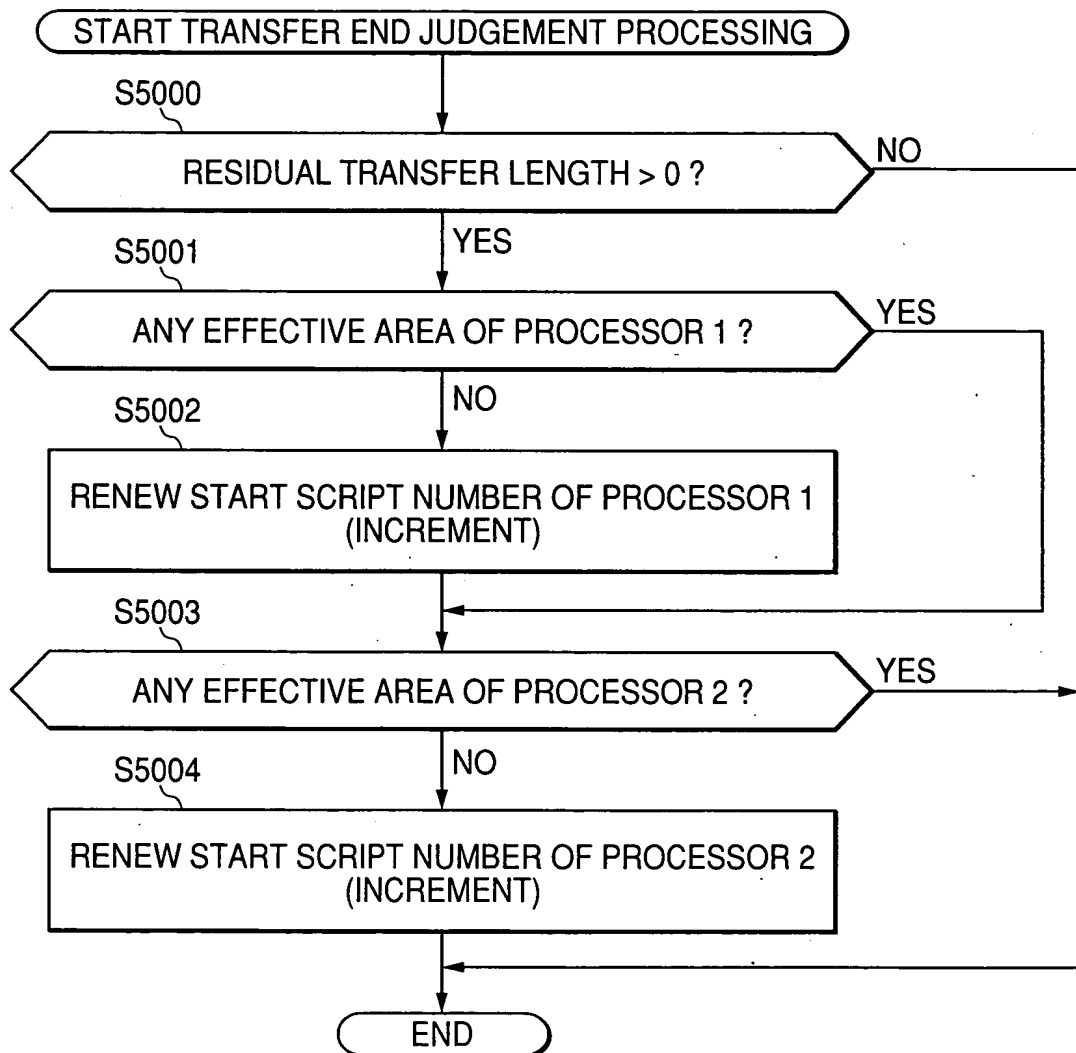
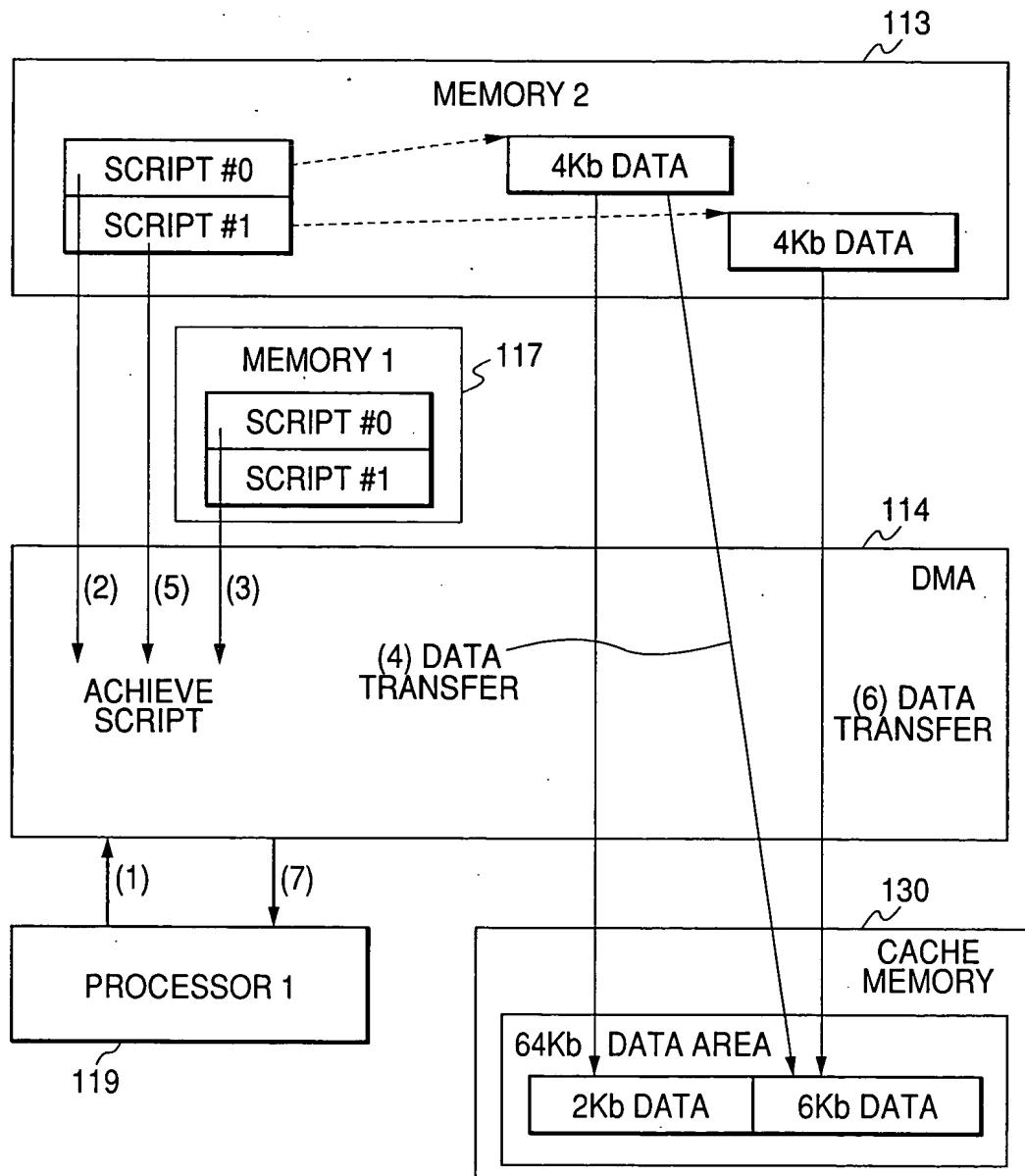
**FIG. 23**

FIG. 24



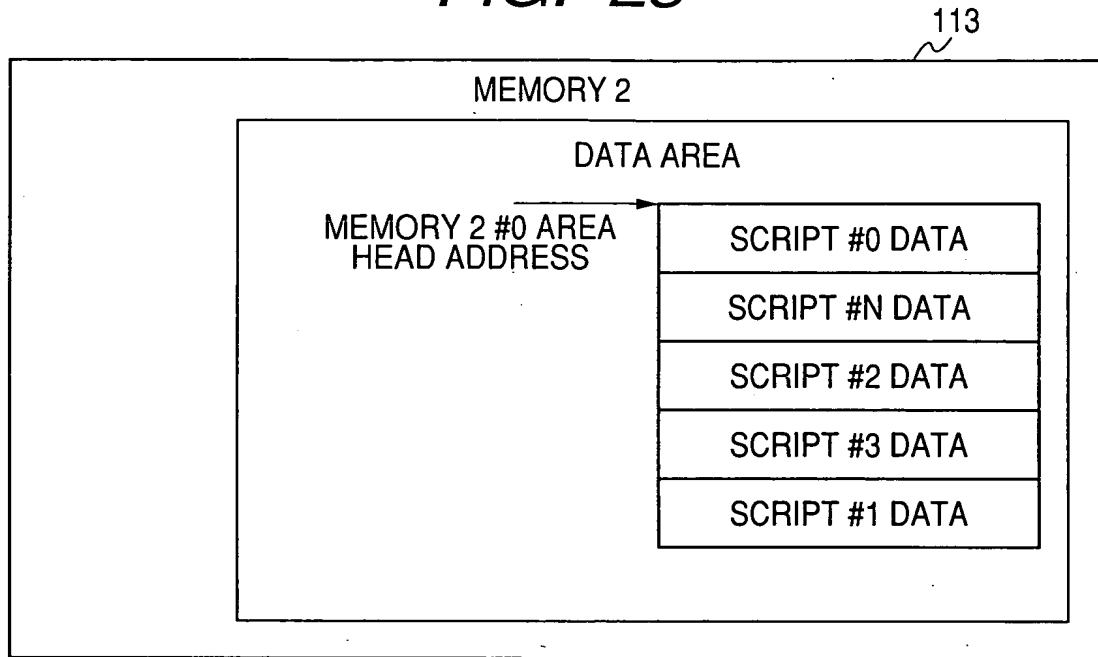
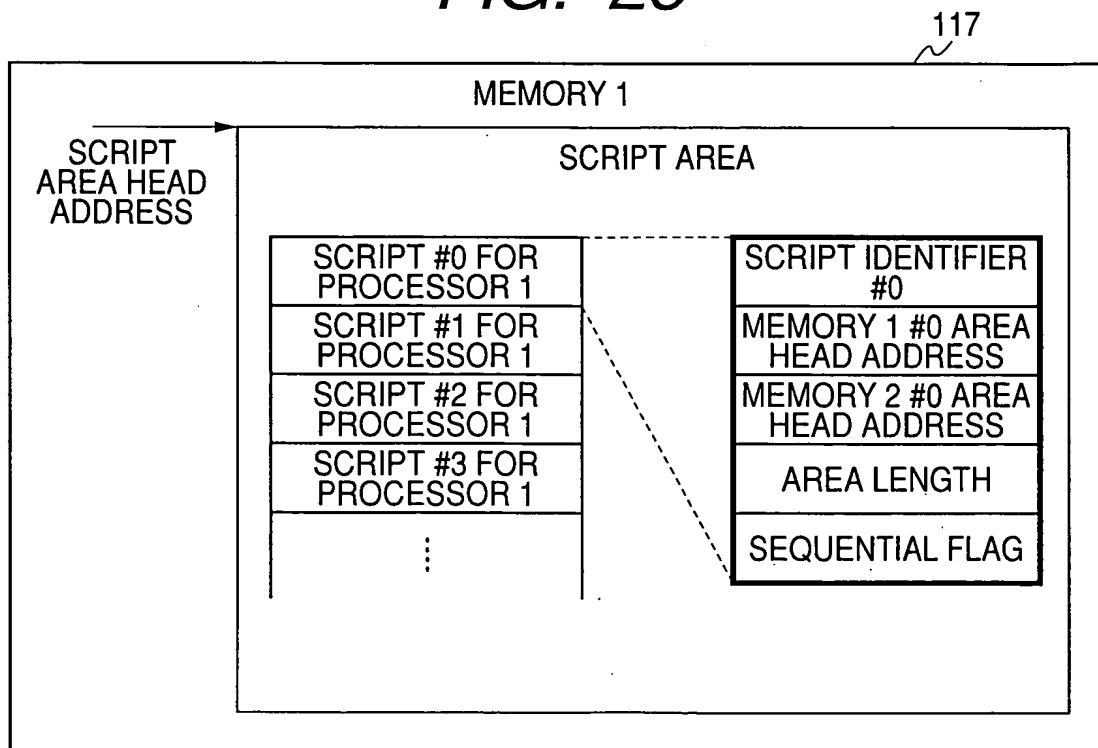
**FIG. 25****FIG. 26**

FIG. 27

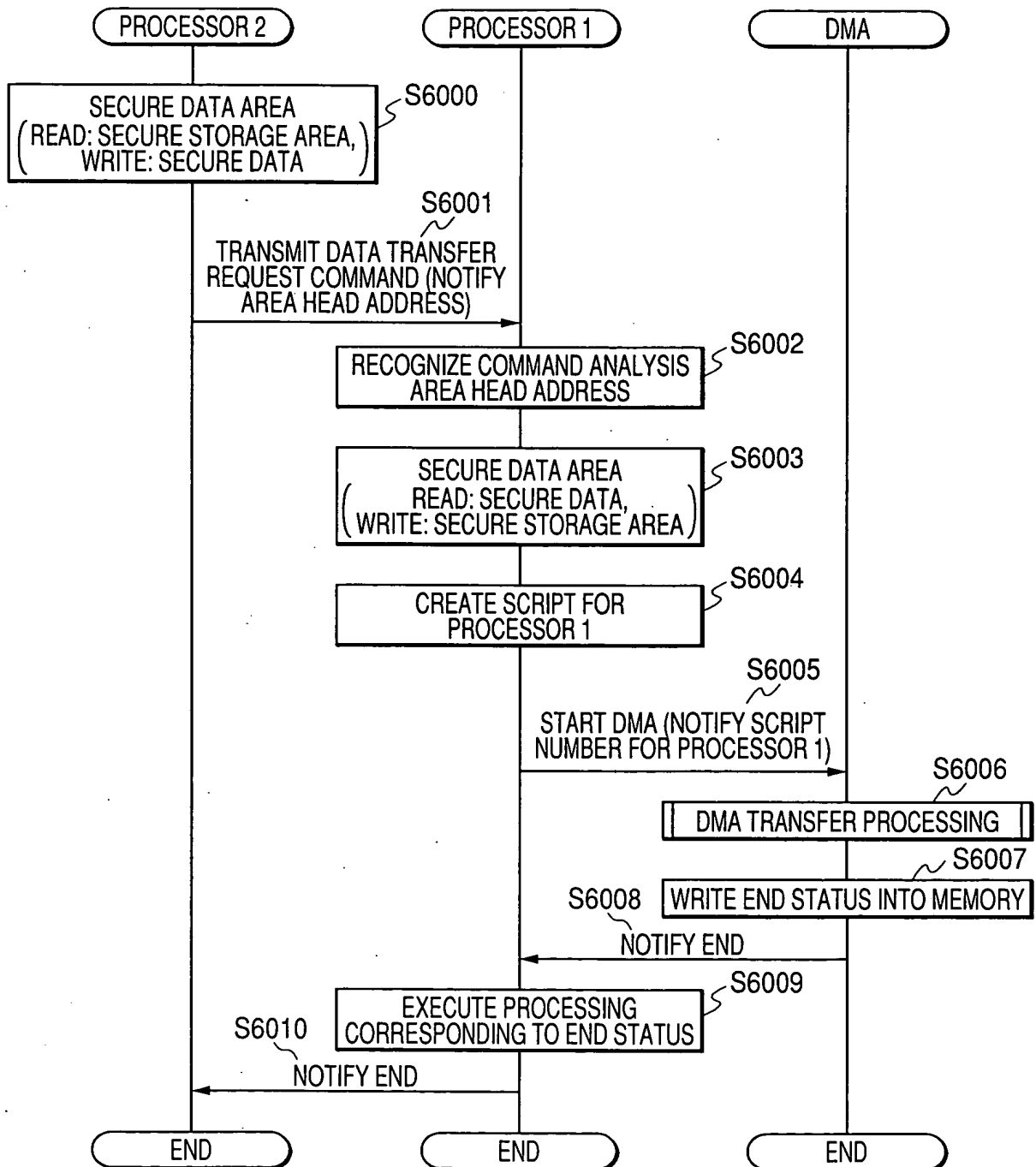


FIG. 28

